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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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02/26/2004

Chuan-De Huang

7004

25859

7590

10/05/2005

WEI TE CHUNG  
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EXAMINER

TSIDULKO, MARK

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

### Period for Reply

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2005.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1,4,5 and 7-13 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,4,5 and 7-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. \_\_\_\_\_.  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) ☐ Notice of Informal Patent Application (PTO-152)  
Paper No(s)/Mail Date 090905. 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

The submission of amendment filed on 8/29/2005 is acknowledged. At this point claims 1, 5, 7 and 9 have been amended, claims 2, 3, 6 have been canceled and the remaining claims left unchanged. Thus, claims 1, 4, 5, 7-13 are at issue in the instant application.

#### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hiraishi et al. (US 2003/0156238) in view of JP 11014826 ('826).

Referring to Claim 1 Hiraishi et al. disclose (Fig.4) a light guide assembly including a light guide plate [25] having a light incidence surface (vertical surface receiving a light from a light source [24], not indicated by number), a light emitting surface (upper horizontal surface of the light guide plate, not indicated by number).

Hiraishi et al. discloses the instant claimed invention except for masking film made of SiO<sub>2</sub>.

('826) discloses a masking film for blocking UV radiation, made of SiO<sub>2</sub>.

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Referring to Claims 4 and 8 Hiraishi et al. discloses a film [27] having UV absorptivity attached to the light emitting surface of the light guide [25], but does not disclose that the film is made of SiO<sub>2</sub>.

('826) discloses a masking film for blocking UV radiation, made of SiO<sub>2</sub>.

Referring to Claim 5 Hiraishi et al. disclose (Figs.4, 7) a light guide assembly including a light guide plate [54] (Fig.7) having a light incidence surface (inclined surface, not indicated by number), receiving a light from a light source [51], a light emitting surface (an upper horizontal surface of the light guide plate, not indicated by number) and a film [27] (see Fig.4) having UV absorptivity and provided on the light emitting surface and blocking UV rays (Abstract).

Hiraishi et al. discloses the instant claimed invention except for masking film for blocking UV radiation made of SiO<sub>2</sub>.

('826) discloses a masking film for blocking UV radiation, made of SiO<sub>2</sub>.

Referring to Claim 7 Hiraishi et al. disclose (Figs.4, 7) a light guide assembly including a light guide plate [54] (Fig.7) having a light incidence surface (inclined surface, not indicated by number), receiving a light from a light source [51], a light emitting surface (an upper horizontal surface of the light guide plate, not indicated by number) and a film [27] (see Fig.4) having UV absorptivity and provided on the light emitting surface and blocking UV rays (Abstract).

Hiraishi et al. discloses the instant claimed invention except for masking film for blocking UV radiation made of SiO<sub>2</sub>.

('826) discloses a masking film for blocking UV radiation, made of SiO<sub>2</sub>.

Referring to Claims 9, 10, 12 Hiraishi et al. disclose (Abstract) that the light guide has a diffusing sheet having an UV absorber.

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Referring to Claim 13 Hiraishi et al. disclose (Fig.4) a light guide having a light incidence surface (vertical surface receiving a light from a light source [24], not indicated by number), a light emitting surface (upper horizontal surface of the light guide plate, not indicated by number) orthogonally joins the light incidence surface).

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hiraishi et al. (US 2003/0156238).

Hiraishi et al. disclose (Fig.4) a light guide [25] having on a top a diffusing sheet [27] with an UV absorber and a prism sheet [28] on a top of the diffusing sheet [27], but do not disclose that the prism sheet includes the UV absorber. It is understood for those skilled in the art, that providing the prism sheet [28] with the UV absorber, instead of diffusing sheet [27], allow to obtain an absolutely the same result of blocking the UV irradiation.

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to provide the masking film, as taught by ('826), for the light guide of Hiraishi et al., in order to block the UV radiation.

### ***Response to Arguments***

Applicant's arguments with respect to claims 1, 5, 7 have been considered but are moot in view of the new ground(s) of rejection.

The merits of claims 1, 5, 7 (***transparent metal oxide***) have not been addressed because of new subject matter.


***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Tsidulko whose telephone number is (571)272-2384. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 for all communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M.T.  
September 9, 2005

  
**JOHN ANTHONY WARD**  
**PRIMARY EXAMINER**